

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

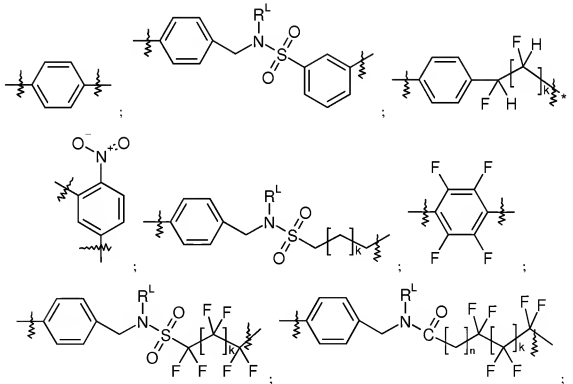
Listing of Claims:

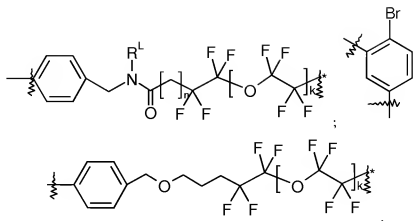
Claims 1 –3 (Cancelled).

4. (Previously presented) A process for the production of an ^{18}F -labelled tracer which comprises treatment of a solid support-bound precursor of formula (Ib)

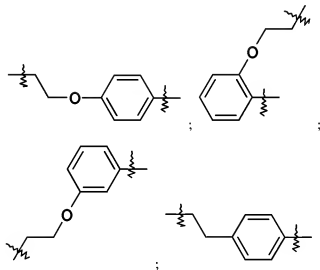


wherein Y⁻ is an anion, the SOLID SUPPORT is a polymer selected from polystyrene which is optionally block grafted, polyacrylamide, and polypropylene or glass or silicon coated with such a polymer, the LINKER is selected from:

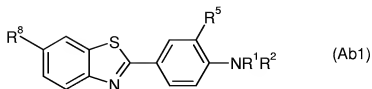




wherein at each occurrence, k is an integer of 0 to 3, n is an integer of 1 to 16, and R^L is hydrogen or C1-6alkyl; and



wherein each phenyl ring is optionally substituted by 1 to 4 groups selected from C₁₋₆alkyl and C₁₋₆alkoxy; and the TRACER is of formula (Ab1)



wherein:

R^1 and R^2 are independently selected from hydrogen, C_{1-6} alkyl, C_{1-6} hydroxyalkyl, C_{1-6} haloalkyl, and a protecting group selected from alkoxycarbonyl;

R^5 is hydrogen, C_{1-6} alkyl, or a bond to the SOLID SUPPORT-LINKER- I^+ - group in formula (Ib);

R^8 is hydroxy, C_{1-6} alkoxy, C_{1-6} haloalkyl, C_{1-6} alkyl, or a bond to the SOLID SUPPORT-LINKER- I^+ - group in formula (Ib);

provided that only one of R^5 and R^8 is a bond to the SOLID SUPPORT-LINKER- I^+ - group in formula (Ib);

with $^{18}F^-$ to produce the labelled tracer of formula (IIb)

^{18}F -TRACER (IIb)

wherein the TRACER is as defined for the compound of formula (Ib) except that one of R^5 and R^8 is a bond to the ^{18}F instead of a bond to the SOLID SUPPORT-LINKER- I^+ - group in formula (Ib);

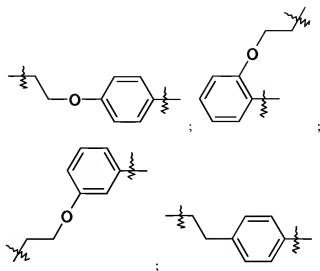
optionally followed by:

- (i) removal of excess $^{18}F^-$; and/or
- (ii) removal of any protecting groups; and/or
- (iii) removal of organic solvent; and/or
- (iv) formulation of the resultant compound of formula (IIb) as an aqueous solution.

5. (Cancelled).

Claims 6-14 (cancelled).

15. (Previously presented) A process according to claim 4 wherein the LINKER is selected from:



wherein each phenyl ring is optionally substituted by 1 to 4 groups selected from C₁₋₆alkyl and C₁₋₆alkoxy.